In



PATENT 6057-54808

#### N TRADE STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Bhupal Dharia

Patent Number: 7,212,515

Issue Date of Patent: 05-01-2007 Application Number: 09/836,752

Filing Date: 04-17-2001

Title of Invention: FAST

MACRODIVERSITY SWITCHING

WITH INTERLEAVING IN WIRELESS NETWORKS

Atty. Dkt. No: 6057-54808

\$ \*\*\*\*\*CERTIFICATE OF MAILING\*\*\*\*

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

B. Noël Kivlin

Printed Name

Signature

Date

# TRANSMITTAL OF POWER OF ATTORNEY AND NOTICE OF CHANGE OF ADDRESS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find attached a Power of Attorney with regard to the above-identified patent application. Applicant respectfully requests the Commissioner to change the correspondence address for the above identified patent application. The old correspondence address was:

Berkeley Law Technology Group 1700 N.W. 167th Place Suite 240 Beaverton OR 97006

The new correspondence address is:

B. Noël Kivlin Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, Texas 78767-0398 (512) 853-8840 Customer ID #35690 If there are any questions regarding this matter, please contact me at the telephone number provided below.

Respectfully submitted,

B. Noël Kivlin

Reg. No. 33,929

ATTORNEY FOR APPLICANTS

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398

Austin, TX 78767-0398

(512) 853-8800

Date: 10-23-07



#### **United States Patent and Trademark Office**



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### Assignments on the Web > Patent Query

# Patent Assignment Abstract of Title

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

**Total Assignments: 5** 

Patent #: 7212515

Issue Dt: 05/01/2007

**Application #:** 09836752

Filing Dt: 04/17/2001

Publication #: 20020090938

Pub Dt: 07/11/2002

Inventors: Bhupal Kanaiyalal Dharia, Gopal Chilliariga, Lance Kazumi Uyehara

Title: FAST MACRODIVERSITY SWITCHING WITH INTERLEAVING IN WIRELESS NETWORKS

Assignment: 1

Reel/Frame: 011701/0944

Recorded: 04/17/2001

Pages: 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

CHILLARIGA, GOPAL

Assignors: DHARIA, BHUPAL KANAIYALAL

Exec Dt: 04/11/2001 Exec Dt: 04/11/2001

UYEHARA, LANCE KAZUMI

Exec Dt: 04/11/2001

Assignee: MDIVERSITY INC.

150 CHARCOT AVENUE

SAN JOSE, CALIFORNIA 95131

Correspondent: DAVID E. LOVEJOY

4 EMBARCADERO CTR., SUITE 400

SAN FRANCISCO, CA 94111-4156

Assignment: 2

Reel/Frame: 011976/0136

Recorded: 07/12/2001

Pages: 10

Conveyance: CORRECTION OF AN ASSIGNMENT RECORDED AT REEL 011701 FRAME 0944.

Assignors: DHARIA, BHUPAL KANAIYALAL

Exec Dt: 05/30/2001

CHILLARIGA, GOPAL

Exec Dt: 05/31/2001

UYEHARA, LANCE KAZUMI

Exec Dt: 05/08/2001

Assignee: MDIVERSITY INC.

150 CHARCOT AVENUE

SAN JOSE, CALIFORNIA 95131

Correspondent: DAVID E. LOVEJOY

4 EMBARCADERO CTR., SUITE 400

SAN FRANCISCO, CA 94111-4156

Assignment: 3

Reel/Frame: 012598/0079

Recorded: 02/11/2002

Pages: 7

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: N DIVERSITY, INC.

Exec Dt: 09/17/2001

Assignee: MOBILITY NETWORK SYSTEMS, INC.

150 CHARCOT AVE.

SAN JOSE, CALIFORNIA 95131

Correspondent: MOBILITY NETWORK SYSTEMS INC.

JUDY LINDO 150 CHARCOT AVE.

**SAN JOSE, CA 95131** 

Assignment: 4

Reel/Frame: 014462/0589

Recorded: 09/08/2003

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: MOBILITY NETWORK SYSTEMS INC.

Assignee: PENTECH FINANCIAL SERVICES, INC.

310 W. HAMILTON AVE,

SUITE 202

**CAMPBELL, CALIFORNIA 95008** 

Correspondent: RYDER IP LAW, PC

DOUGLAS J. RYDER 3669 CONCORD ROAD DOYLESTOWN, PA 18901

**Assignment: 5** 

Reel/Frame: 014484/0037

Recorded: 09/12/2003

Pages: 4

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: PENTECH FINANCIAL SERVICES, INC.

Exec Dt: 07/22/2003

Exec Dt: 06/24/2003

Assignee: NORTHSTAR ACQUISITIONS, LLC

**280 VALLEY STREET** 

LOS ALTOS, CALIFORNIA 94022

Correspondent: RYDER IP LAW, PC

DOUGLAS J. RYDER 3669 CONCORD ROAD DOYLESTOWN, PA 18901

Search Results as of: 10/22/2007 12:32 PM

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Northstar Acquisitions LLC ("Assignee"), a Delaware limited liability company having a place of business at 2215-B Renaissance Drive, Suite 5, Las Vegas, NV 89119, states that it is the assignee of the entire right, title, and interest in and to the patent applications and/or patents identified in the Appendix ("the Patent Properties"). Assignee has attached, for the Patent Properties, the following documentary evidence of the chain of title and/or information specifying where documentary evidence of a chain of title from the original owner to the Assignee is recorded in the assignment records of the USPTO. See Appendix.

With respect to the Patent Properties and all provisionals, reissues, reexaminations, divisionals, continuations, continuations-in-part thereof (whether currently filed or not), the Assignee, pursuant to 37 C.F.R. §§ 1.36 and 3.71, hereby revokes all powers of attorney previously given and appoints

the practitioners associated with the Customer Number 35690

to act on Assignee's behalf before the United States Patent and Trademark Office. This appointment is effective only so long as these practitioners remain with the firm associated with the Customer Number listed above.

Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the Patent Properties is to be conducted to the exclusion of the inventor(s).

The undersigned is a representative authorized to act on behalf of the assignee.

Assignee

Northstar Acquisitions LLC
2215-B Renaissance Drive, Suite 5
Las Vegas, NV 89119

Dated:

Name: Julia Ceffalo

Title: Authorized Person

## APPENDIX

# **Issued Patents**

Patent Number	Title	ard euzi	Recordation Unformation
6987793	PREDICTIVE COLLISION AVOIDANCE IN MACRODIVERSE WIRELESS NETWORKS WITH FREQUENCY HOPPING USING SWITCHING	01/17/2006	Reel/Frame: 011971/0165 Assignors: DHAR, NAVEEN; UYEHARA, LANCE KAZUMI; GHOSHTAGORE, UJJAL KUMAR; KOEPF, GERHARD ALBERT; ZIAO, JINGQING Assignee: MDIVERSITY INC.  Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.  Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK SYSTEMS, INC. Assignee: PENTECH FINANCIAL SERVICES, INC.  Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC. Assignee: PENTECH FINANCIAL SERVICES, INC.  Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC.
			Assignee: NORTHSTAR ACQUISITIONS, LLC
6987793	PREDICTIVE COLLISION AVOIDANCE IN MACRODIVERSE WIRELESS NETWORKS WITH FREQUENCY HOPPING USING SWITCHING	01/17/2006	Reel/Frame: 011971/0165 Assignors: DHAR, NAVEEN; UYEHARA, LANCE KAZUMI; GHOSHTAGORE, UJJAL KUMAR; KOEPF, GERHARD ALBERT; ZIAO, JINGQING Assignee: MDIVERSITY INC.  Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.  Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK SYSTEMS, INC. Assignee: PENTECH FINANCIAL SERVICES, INC.

		_	
		1.	Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
	<u>.</u>		
			Reel/Frame: 014484/0037
	·		Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
			ACQUISITIONS, LLC
7010015	VIRTUAL CELL MAPPING IN MACRODIVERSE	03/07/2006	Reel/Frame: 014455/0191
	WIRELESS NETWORKS WITH FREQUENCY		Assignor: MDIVERSITY INC.
	HOPPING		Assignee: MOBILITY NETWORK
			SYSTEMS INC.
			STOTEMS INC.
			Reel/Frame: 012206/0380
			Assignors: HERVEY, MORRIS
			MARVIN, GHOSHGATORE, UJJAL
			KUMAR; SOMESEKHARA, ARCHANA
•		· .	Assignee: MDIVERSITY INC.
	·		, *
			Reel/Frame: 013852/0011
	1	1	Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
			SERVICES, INC.
	·		D 1/E 014460/0500
			Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
·			SERVICES, INC.
		1	
	·		Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
			ACQUISITIONS, LLC
7020115	FAST MACRODIVERSITY SWITCHING WITH TIME	03/28/2006	Reel/Frame: 011900/0351
,020113	MANAGEMENT IN WIRELESS NETWORKS	03/20/2000	Assignors: CHILLARIGA, GOPAL;
	TO THE TAX		DHARIA, BHUPAL KANAIYALAL;
			KOEPF, GERHARD ALBERT;
			UYEHARA, LANCE KAZUMI
			Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC.
			Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
	·		
		1	SERVICES, INC.
•	·		Desl/Emm. 014462/0522
			Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL

		1	SERVICES, INC.
	1		SERVICES, INC.
			Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
	VIDELLA I CELL MADDING DI MA COODIVEDGE		ACQUISITIONS, LLC
7194017	VIRTUAL CELL MAPPING IN MACRODIVERSE WIRELESS NETWORKS WITH FREQUENCY	03/20/2007	Reel/Frame: 018863/0488 Assignors: HERVEY, JR., MORRIS
	HOPPING		MARVIN; GHOSHTAGORE, UJAL
			KUMAR; SOMASEKHARA,
			ARCHANA
		ļ	Assignee: MDIVERSITY, INC.
		. [	Reel/Frame: 018833/0093
			Assignor: MDIVERSITY, INC.
			Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
			Reel/Frame: 018832/0560
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
		•	SERVICES, INC.
			Reel/Frame: 018832/0569
			Assignor: PENTECH FINANCIAL SERVICES, INC.
	•		Assignee: NORTHSTAR
			ACQUISITIONS, LLC
7212515	FAST MACRODIVERSITY SWITCHING WITH	05/01/2007	Reel/Frame: 011701/0944
	INTERLEAVING IN WIRELESS NETWORKS		Assignors: DHARIA, BHUPAL
			KANAIYALAL, CHILLARIGA,
			GOPAL; UYEHARA, LANCE KAZUMI
			Assignee: MDIVERSITY INC.
			Reel/Frame: 011976/0136
			Assignors: DHARIA, BHUPAL
			KANAIYALAL; CHILLARIGA, GOPA;
			UYEHARA, LANCE KAZUMI
			Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC.
	•		Assignee: MOBILITY NETWORK SYSTEMS, INC.
			0 1 0 1 EMO, 114C.
			Reel/Frame: 014462/0589 Recorded:
	·		Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
			Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
			ACQUISITIONS, LLC

	DVNIAMIC CHANDIEL ALLOCATION DIAGRATIONE	100404000	
7177298	DYNAMIC CHANNEL ALLOCATION IN MULTIPLE- ACCESS COMMUNICATION SYSTEMS	02/13/2007	Reel/Frame: 011714/0192 Assignors: CHILLARIGA, GOPAL;
	ACCESS COMMONICATION STSTEMS		KAUSHAL, ROHIT; DHARIA, BHUPAL
			KANAIYALAL; UYEHARA, LANCE
		!	KAZUMI; KOEPF, ALBERT GERHARD;
			RAACK, KEVIN DEAN;
			GHOSHTAGORE, UJJAL KUMAR
			Assignee: MDIVERSITY INC.
1			Reel/Frame: 014455/0191
			Assigner: MDIVERSITY INC. Assignee: MOBILITY NETWORK
			SYSTEMS INC.
			Distribute.
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·	·		Reel/Frame: 012598/0079
		ļ	Assignor: N DIVERSITY, INC.
		İ	Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
.			Assignee: PENTECH FINANCIAL
1			SERVICES, INC.
			Reel/Frame: 014462/0589
·			Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
	·		SERVICES, INC.
	· ·		D 1/5 014404/0025
i			Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL
			SERVICES, INC.
!			Assignee: NORTHSTAR
			ACQUISITIONS, LLC
5715516	METHOD AND APPARATUS FOR WIRELESS	02/03/1998	Reel/Frame: 007776/0361
	COMMUNICATION EMPLOYING COLLECTOR		Assignors: HOWARD, DAVID
	ARRAYS		AMUNDSON; SMITH, BRUCE DENIS;
			COATES, KAREN EVELYN; VASTANO, JOHN ANDREW
			Assignee: CELLULAR TELECOM, LTD
	·		
ľ			Reel/Frame: 007876/0715
			Assignors: HOWARD, DAVID
			AMUNDSON; SMITH, BRUCE DENIS;
			COATES, KAREN EVELYN; VASTANO, JOHN ANDREW
			Assignee: CELLULAR TELECOM, LTD.
			The state of the s
			Reel/Frame: 009214/0673
			Assignor: CELLULAR TELECOM
			LIMITED
			Assignee: SILICON WIRELESS LIMITED
			Elivit I ED
			Reel/Frame: 009798/0292
			Assignor: SILICON WIRELESS
			LIMITED

		Assignee: 2M INVEST A/S, AS AGENT
		Reel/Frame: 010144/0501
		Assignor: SILICON WIRELESS
		LIMÏTED
		Assignee: SC-WIRELESS INC
	·	Reel/Frame: 010567/0677
		Assignor: 2M INVEST A/S, AS AGENT
		(RELEASING PARTY) Assignee: SC-WIRELESS, INC.
		Assignee. Se-Wikebess, INC.
		Reel/Frame: 010609/0745
	·	Assignor: 2M INVEST A/S, AS AGENT
		(RELEASING PARTY)
	·	Assignee: SC-WIRELESS, INC., A
	·	DELAWARE CORPORATION
		Reel/Frame: 011219/0145
		Assignor: SC-WIRELESS INC., A
		CORPORATION OF DELAWARE
		Assignee: MDIVERSITY INC.
		Reel/Frame: 012598/0079
	·	Assignor: N DIVERSITY, INC.
		Assignee: MOBILITY NETWORK SYSTEMS, INC.
		5151 Elvis, 11(c.
		Reel/Frame: 013852/0011
		Assignor: MOBILITY NETWORK
		SYSTEMS, INC.
		Assignee: PENTECH FINANCIAL
5805576	METHOD AND APPARATUS FOR TDMA WIRELESS 0	SERVICES, INC.
3803370	COMMUNICATION EMPLOYING COLLECTOR	9/08/1998 Reel/Frame: 008185/0435 Assignors: WORLEY, WILLIAM
	ARRAYS FOR RANGE EXTENSION	SPENCER, III; HOWARD, DAVID
		AMUNDSON; COATES, KAREN
		EVELYN, VASTANO, JOHN ANDREW
		Assignee: CELLULAR TELECOM, LTD.
		Deel/E 000014/0473
		Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM
		LIMITED
		Assignee: SILICON WIRELESS
		LIMITED
		L
		Reel/Frame: 009798/0292
		Assignor: SILICON WIRELESS LIMITED
		Assignee: 2M INVEST A/S, AS AGENT
		and an investigation and investigation
		Reel/Frame: 010144/0501
		Assignor: SILICON WIRELESS
		LIMITED
		Assignee: SC-WIRELESS INC
		D 1/E 010567/0677
		Keel/Frame: 010567/0677
		Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT
		Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY)
		Assignor: 2M INVEST A/S, AS AGENT

			Reel/Frame: 010609/0745
			Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY)
			Assignee: SC-WIRELESS, INC., A
			DELAWARE CORPORATION
	· ·		Reel/Frame: 011219/0145
	·		Assignor: SC-WIRELESS INC., A
			CORPORATION OF DELAWARE
			Assignee: MDIVERSITY INC.
	·		Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC.
	<b>)</b> .		Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
	·		D = 1/F = = = 012052/0011
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
		1	Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK
	•		SYSTEMS INC.
		,	Assignee: PENTECH FINANCIAL
	·		SERVICES, INC.
	·		D = 1/F = 01 4404/0027
		Ĉ.	Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL SERVICES, INC.
		1	
		1	Assignee NORTHSTAR
			Assignee: NORTHSTAR ACOUISITIONS, LLC
6112058	METHOD AND APPARATUS FOR WIRELESS	08/29/2000	ACQUISITIONS, LLC
6112058	COMMUNICATION EMPLOYING CONFIDENCE	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER;
6112058	COMMUNICATION EMPLOYING CONFIDENCE	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW;
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW;
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD
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6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824  Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673  Assignor: CELLULAR TELECOM LIMITED  Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292  Assignor: SILICON WIRELESS
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824  Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673  Assignor: CELLULAR TELECOM LIMITED  Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292  Assignor: SILICON WIRELESS
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT Reel/Frame: 010144/0501
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT Reel/Frame: 010144/0501 Assignor: SILICON WIRELESS
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT Reel/Frame: 010144/0501 Assignor: SILICON WIRELESS LIMITED
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824 Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT  Reel/Frame: 010144/0501 Assignor: SILICON WIRELESS LIMITED Assignee: SC-WIRELESS INC  Reel/Frame: 010567/0677
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824  Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673  Assignor: CELLULAR TELECOM LIMITED  Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292  Assignor: SILICON WIRELESS LIMITED  Assignee: 2M INVEST A/S, AS AGENT  Reel/Frame: 010144/0501  Assignor: SILICON WIRELESS LIMITED  Assignor: 2M INVEST A/S, AS AGENT
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824  Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673  Assignor: CELLULAR TELECOM LIMITED  Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292  Assignor: SILICON WIRELESS LIMITED  Assignee: 2M INVEST A/S, AS AGENT  Reel/Frame: 010144/0501  Assignor: SILICON WIRELESS LIMITED  Assignor: SILICON WIRELESS LIMITED  Assignee: 2M INVEST A/S, AS AGENT  Reel/Frame: 010567/0677  Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY)
6112058	COMMUNICATION EMPLOYING CONFIDENCE METRIC PROCESSING FOR BANDWIDTH	08/29/2000	ACQUISITIONS, LLC  Reel/Frame: 008797/0824  Assignors: WALTERS, ANDREW JOHN; WALLERIUS, JOHN WALKER; VASTANO, JOHN ANDREW; UYEHARA, LANCE KAZUMI Assignee: CELLULAR TELECOM, LTD  Reel/Frame: 009214/0673  Assignor: CELLULAR TELECOM LIMITED  Assignee: SILICON WIRELESS LIMITED  Reel/Frame: 009798/0292  Assignor: SILICON WIRELESS LIMITED  Assignee: 2M INVEST A/S, AS AGENT  Reel/Frame: 010144/0501  Assignor: SILICON WIRELESS LIMITED  Assignor: SILICON WIRELESS LIMITED  Assignor: SILICON WIRELESS LIMITED  Assignor: SILICON WIRELESS LIMITED  Assignor: SC-WIRELESS INC  Reel/Frame: 010567/0677  Assignor: 2M INVEST A/S, AS AGENT

		Assigno	me: 010609/0745 r: 2M INVEST A/S, AS AGENT SING PARTY)
		Assigne	e: SC-WIRELESS, INC., A /ARE CORPORATION
		Assigno	me: 011219/0145 r: SC-WIRELESS INC., A
		,	RATION OF DELAWARE E: MDIVERSITY INC.
		Assigno Assigne	me: 012598/0079 r: N DIVERSITY, INC. e: MOBILITY NETWORK MS, INC.
		Assigno SYSTEM	me: 013852/0011 r: MOBILITY NETWORK MS, INC.
			e: PENTECH FINANCIAL CES, INC.
			me: 014462/0589 r: MOBILITY NETWORK MS INC.
		Assigne SERVIC	E: PENTECH FINANCIAL CES, INC. HAMILTON AVE,
			me: 014484/0037 r: PENTECH FINANCIAL
		SERVIC Assigned	ES, INC. E: NORTHSTAR SITIONS, LLC
6131034	ARRAYS IN WIRELESS COMMUNICATIONS	10/10/2000 Reel/Fra Assigno	me: 009214/0673 r: CELLULAR TELECOM
. ;	SYSTEMS	LIMITE Assigned LIMITE	e: SILICON WIRELESS
		Assigno	me: 009554/0514 rs: MCLAUGHLIN, MICHAEL
		DEAN;\ WALKE	RAACK, KEVIN WALLERIUS, JOHN ER;SMITH, BRUCE DENIS;
		VASTA HOWAI	S, KAREN EVELYN; NO, JOHN ANDREW; RD, DAVID AMUNDSON E: SILICON WIRELESS
		LIMITE	
		Assigno LIMITE	r: SILICON WIRELESS
		Reel/Fra	me: 010144/0501 r: SILICON WIRELESS
		LIMITE	

			Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY) Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745
			Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY)
			Assignee: SC-WIRELESS, INC., A DELAWARE CORPORATION
		•	Reel/Frame: 011219/0145 Assignor: SC-WIRELESS INC., A CORPORATION OF DELAWARE Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.
		·	Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK SYSTEMS, INC.
		,	Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC.
		٠.	Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC. Assignee: NORTHSTAR
		·	ACQUISITIONS, LLC
6137784	METHOD AND APPARATUS FOR WIRELESS COMMUNICATION EMPLOYING CONTROL FOR CONFIDENCE METRIC BANDWIDTH REDUCTION	10/24/2000	Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED
			Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009222/0842 Assignors: WALLERIUS, JOHN
			WALKER; WALTERS, ANDREW JOHN; VASTANO, JOHN ANDREW
			Assignee: SILICON WIRELESS LIMITED
·			Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED
			Assignee: 2M INVEST A/S, AS AGENT Reel/Frame: 010144/0501
			Assignor: SILICON WIRELESS LIMITED
			Assignee: SC-WIRELESS INC

			Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY)
-	,		Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745 Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY) Assignee: SC-WIRELESS, INC., A DELAWARE CORPORATION
			Reel/Frame: 011219/0145
			Assignor: SC-WIRELESS INC., A CORPORATION OF DELAWARE Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK SYSTEMS, INC. Assignee: PENTECH FINANCIAL SERVICES, INC.
·			Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK SYSTEMS INC.
·			Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL
			SERVICES, INC. Assignee: NORTHSTAR ACQUISITIONS, LLC
6192038	METHOD AND APPARATUS FOR WIRELESS COMMUNICATION EMPLOYING AGGREGATION FOR DIGITAL SIGNALS	02/20/2001	Reel/Frame: 008645/0043 Assignors: WALLERIUS, JOHN WALKER; WALTERS, ANDREW
			JOHN; VASTANO, JOHN ANDREW Assignee: CELLULAR TELECOM, LTD.
			Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM
			LIMITED Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED
			Assignee: 2M INVEST A/S, AS AGENT
			Reel/Frame: 010144/0501 Assignor: SILICON WIRELESS LIMITED
			Assignee: SC-WIRELESS INC
		I	Reel/Frame: 010567/0677

,			Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY) Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY) Assignee: SC-WIRELESS, INC., A
			DELAWARE CORPORATION  Reel/Frame: 011219/0145  Assignor: SC-WIRELESS INC., A
			CORPORATION OF DELAWARE Assignee: MDIVERSITY INC.  Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.
			Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK SYSTEMS, INC. Assignee: PENTECH FINANCIAL
·			SERVICES, INC.  Reel/Frame: 014462/0589  Assignor: MOBILITY NETWORK SYSTEMS INC.
			Assignee: PENTECH FINANCIAL SERVICES, INC.  Reel/Frame: 014484/0037
		·.	Assignor: PENTECH FINANCIAL SERVICES, INC. Assignee: NORTHSTAR ACQUISITIONS, LLC
6212387	METHOD AND APPARATUS FOR COLLECTOR ARRAYS OF DIRECTIONAL ANTENNAS CO- LOCATED WITH ZONE MANAGERS IN WIRELESS COMMUNICATIONS SYSTEMS	04/03/2001	Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009554/0094 Assignors: MCLAUGHLIN, MICHAEL DAVID; RAACK, KEVIN DEAN; WALLERIUS, JOHN WALKER; SMITH,
			BRUCE DENIS; COATES, KAREN EVELYN; VASTANO, JOHN ANDREW; HOWARD, DAVID AMUNDSON Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT
			Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY)

			Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745
			Assignor: 2M INVEST A/S, AS AGENT
	·		(RELEASING PARTY)
			Assignee: SC-WIRELESS, INC., A
			DELAWARE CORPORATION
			Reel/Frame: 011219/0145
			Assignor: SC-WIRELESS INC., A
			CORPORATION OF DELAWARE
			Assignee: MDIVERSITY INC.
			D =1/F===== 012509/0070
			Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC.
	•		Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
			150 CHARCOT AVE.
			SAN JOSE, CALIFORNIA 95131
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
			Reel/Frame: 014462/0589
	·		Assignor: MOBILITY NETWORK
			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
	·		Reel/Frame: 014484/0037
	·		Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
6349094	METHOD AND APPARATUS FOR WIRELESS	02/10/2002	ACQUISITIONS, LLC Reel/Frame: 011889/0840
0343034	COMMUNICATIONS EMPLOYING CONTROL FOR	02/19/2002	Assignor: SC-WIRELESS INC.
	BROADCAST TRANSMISSION		Assignee: MDIVERSITY INC.
			D 1/E 011000/0036
•			Reel/Frame: 011889/0835 Assignors: VASTANO, JOHN
	•		ANDREW; UYEHARA, LANCE
			KAZUMI; GHOSHTAGORE, UJJAL
			KUMAR
	*		Assignee: SC-WIRELESS INC.
			Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC.
			Assignee: MOBILITY NETWORK
	•		SYSTEMS, INC.
	·		Reel/Frame: 013852/0011
		1	Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014462/0589
		1	Assignor: MOBILITY NETWORK

			SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
			D 1/5
			Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL SERVICES, INC.
			Assignee: NORTHSTAR
			ACQUISITIONS, LLC
6041232	AGGREGATION OF SHAPED DIRECTIONAL	03/21/2000	Reel/Frame: 009214/0673
0011232	RECEIVING ANTENNA ARRAY FOR IMPROVED	03/21/2000	Assignor: CELLULAR TELECOM
	LOCATION INFORMATION		LIMITED
·			Assignee: SILICON WIRELESS
·	·		LIMITED
**			
			Reel/Frame: 009504/0853
			Assignor: JENNINGS, EARLE WILLIS,
			III Assignee: SILICON WIRELESS
			LIMITED
			Reel/Frame: 009514/0853
		1	Assignor: JENNINGS, III, EARLE
			WILLIS
			Assignee: SILICON WIRELESS
			LIMITED
			Reel/Frame: 009798/0292
			Assignor: SILICON WIRELESS
			LIMITED
			Assignee: 2M INVEST A/S, AS AGENT
			Reel/Frame: 010144/0501
	, '		Assignor: SILICON WIRELESS
-	·		LIMITED
			Assignee: SC-WIRELESS INC
-			Reel/Frame: 010567/0677
			Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY)
			Assignee: SC-WIRELESS, INC.
		1	
			Reel/Frame: 010609/0745
			Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY) Assignee: SC-WIRELESS, INC., A
			DELAWARE CORPORATION
	• •		Reel/Frame: 011219/0145
			Assignor: SC-WIRELESS INC., A
			CORPORATION OF DELAWARE
			Assignee: MDIVERSITY INC.
			Doc1/Frame, 014455/0101
			Reel/Frame: 014455/0191 Assignor: MDIVERSITY INC.
			Assignee: MOBILITY NETWORK
			SYSTEMS INC.
			Reel/Frame: 013852/0011
1			Assignor: MOBILITY NETWORK
L			SYSTEMS, INC.

			Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK
		-	SYSTEMS INC. Assignee: PENTECH FINANCIAL
			SERVICES, INC.
			Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL
			SERVICES, INC.
	·		Assignee: NORTHSTAR ACQUISITIONS, LLC
6108385	METHOD AND APPARATUS FOR REDUCING	08/22/2000	Reel/Frame: 008155/0379
	INTERMODULATION DISTORTION IN DIGITAL WIDEBAND TRANSMISSION SYSTEMS		Assignor: WORLEY, WILLIAM SPENCER III
			Assignee: CELLULAR TELECOM, LTD.
			Reel/Frame: 009214/0673
			Assignor: CELLULAR TELECOM
		1	LIMITED
			Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009798/0292
			Assignor: SILICON WIRELESS
			LIMITED
			Assignee: 2M INVEST A/S, AS AGENT
		·	Reel/Frame: 010144/0501
	··		Assignor: SILICON WIRELESS
			LIMITED Assignee: SC-WIRELESS INC
		ļ	Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY)
			Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745
	<i>:</i>		Assignor: 2M INVEST A/S, AS AGENT
			(RELEASING PARTY) Assignee: SC-WIRELESS, INC., A
			DELAWARE CORPORATION
		· .	
			Reel/Frame: 011219/0145 Assignor: SC-WIRELESS INC., A
			CORPORATION OF DELAWARE
			Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079
	·		Assignor: N DIVERSITY, INC.
			Assignee: MOBILITY NETWORK SYSTEMS, INC.
			Reel/Frame: 013852/0011
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL SERVICES, INC.
	<del></del>	<del> </del>	

			Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC. Assignee: PENTECH FINANCIAL SERVICES, INC.  Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC. Assignee: NORTHSTAR ACQUISITIONS, LLC
6173191	IMPROVED LOCALIZATION OF SHAPED DIRECTIONAL TRANSMITTING AND TRASMITTING/RECEIVING ANTENNA ARRAY	01/09/2001	Reel/Frame: 009214/0673 Assignor: CELLULAR TELECOM LIMITED Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009504/0816 Assignor: JENNINGS, EARLE WILLIS III Assignee: SILICON WIRELESS LIMITED
			Reel/Frame: 009798/0292 Assignor: SILICON WIRELESS LIMITED Assignee: 2M INVEST A/S, AS AGENT
			Reel/Frame: 010144/0501 Assignor: SILICON WIRELESS LIMITED Assignee: SC-WIRELESS INC
			Reel/Frame: 010567/0677 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY) Assignee: SC-WIRELESS, INC.
			Reel/Frame: 010609/0745 Assignor: 2M INVEST A/S, AS AGENT (RELEASING PARTY) Assignee: SC-WIRELESS, INC., A DELAWARE CORPORATION
		·	Reel/Frame: 011219/0145 Assignor: SC-WIRELESS INC., A CORPORATION OF DELAWARE Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.
			Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK SYSTEMS, INC. Assignee: PENTECH FINANCIAL SERVICES, INC.

	Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC. Assignee: PENTECH FINANCIAL SERVICES, INC.
	Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC. Assignee: NORTHSTAR ACQUISITIONS, LLC

# Applications

Application Number	Title		Recorded on Information
09/836752	FAST MACRODIVERSITY SWITCHING WITH INTERLEAVING IN WIRELESS NETWORKS	04/17/2001	Reel/Frame: 011701/0944  DOCUMENT FOR DETAILS).  Assignors: DHARIA, BHUPAL  KANAIYALAL; CHILLARIGA,  GOPAL;UYEHARA, LANCE  KAZUMI  Assignee: MDIVERSITY INC.
			Reel/Frame: 011976/0136 Assignors: DHARIA, BHUPAL KANAIYALAL;CHILLARIGA, GOPAL;UYEHARA, LANCE KAZUMI Assignee: MDIVERSITY INC.
			Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK SYSTEMS, INC.
			Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC. Assignee: PENTECH FINANCIAL SERVICES, INC.
			Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC. Assignee: NORTHSTAR ACQUISITIONS, LLC
09/879,603	FAST MACRODIVERSITY SWITCHING WITH TIME MANAGEMENT IN WIRELESS NETWORKS	06/12/2001	Reel/Frame: 011900/0351 Assignors: CHILLARIGA, GOPAL; DHARIA, BHUPAL KANAIYALAL; KOEPF, GERHARD ALBERT;

			UYEHARA, LANCE KAZUMI
-			Assignee: MDIVERSITY INC.
			D1/F 012509/0070
			Reel/Frame: 012598/0079
			Assignor: N DIVERSITY, INC.
			Assignee: MOBILITY NETWORK
			SYSTEMS, INC.
			Bool/Fromo, 013853/0011
			Reel/Frame: 013852/0011 Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
	·		SERVICES, INC.
			DER VICES, INC.
•			Reel/Frame: 014462/0589
			Assignor: MOBILITY NETWORK
	,		SYSTEMS INC.
			Assignee: PENTECH FINANCIAL
			SERVICES, INC.
•			
			Reel/Frame: 014484/0037
			Assignor: PENTECH FINANCIAL
			SERVICES, INC.
			Assignee: NORTHSTAR
			ACQUISITIONS, LLC
11/507789	Dynamic channel allocation in multiple-access	08/21/2006	Reel/Frame: 018222/0672
	communication systems	<u> </u>	Assignors: CHILLARGIA, GOPAL;
	·		KAUSHAL, ROHIT; DHARIA,
			BHUPAL; GHOSHTAGORE, UJJAL;
	·		UYEHARA, LANCE, KOEPF,
		· ·	GERHARD; RAACK, KEVIN Assignee: MDIVERSITY INC.
		· ·	Assignee. WIDIVERSITITING.
			Reel/Frame: 018222/0364
			Assignor: MDIVERSITY INC.
			Assignee: MOBILITY NETWORK
			SYSTEMS INC.
•			
			Reel/Frame: 018211/0410
			Assignor: MOBILITY NETWORK
			SYSTEMS, INC.
			Assignee: PENTECH FINANCIAL
	· ·	1	SERVICES INC.
	·		Bool/Frame: 019222/0226
			Reel/Frame: 018222/0226
	·		Assignor: PENTECH FINANCIAL SERVICES, INC.
			Assignee: NORTHSTAR
		ľ	ACQUISITIONS LLC
		1	LICYCIOITICITY EDC
			Reel/Frame: 018422/0764
			Assignors: WARNER, ROBERT
			WINTERS, JACK
		1	Assignee: EIGENT TECHNOLOGIES
			LLC
09/750592	System for fast macrodiversity switching in mobile wireless	12/28/2000	Reel/Frame: 011703/0273
	networks		Assignors: DHARIA, BHUPAL
			KANAIYALAL; CHILLARIGA, GOPAL
		1	GHOSHTAGORE, UJJAL KUMAR;
		1	WALIGHAL BOUR WORSE AT SEC.
•			KAUSHAL, ROHIT; KOEPF, ALBERT GERHARD; UYEHARA, LANCE

	KAZUMI Assignee: MDIVERSITY INC.
	Reel/Frame: 012598/0079 Assignor: N DIVERSITY, INC. Assignee: MOBILITY NETWORK
	SYSTEMS, INC.  Reel/Frame: 013852/0011
	Assignor: MOBILITY NETWORK SYSTEMS, INC.
	Assignee: PENTECH FINANCIAL SERVICES, INC.
	Reel/Frame: 014462/0589 Assignor: MOBILITY NETWORK SYSTEMS INC.
-	Assignee: PENTECH FINANCIAL SERVICES, INC.
	Reel/Frame: 014484/0037 Assignor: PENTECH FINANCIAL SERVICES, INC.
	Assignee: NORTHSTAR ACQUISITIONS, LLC